

SEQUENCE LISTING

<110> Garvan Institute of Medical Research
<120> Method for inducing mammary epithelial cell differentiation
<130> 501746/JEP
<150> US 60/413,978
<151> 2002-09-25
<160> 29
<170> PatentIn version 3.1
<210> 1
<211> 13
<212> PRT
<213> Artificial sequence
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Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro
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<210> 2
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<212> PRT
<213> Homo sapiens

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Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val
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Gly Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser
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<210> 3
<211> 29
<212> PRT
<213> Bos taurus

<400> 3

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Leu
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Asp Ser His Arg Ser Phe Gln Asp Lys His Gly Leu Ala
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<210> 4
<211> 29
<212> PRT
<213> Sus scrofa

<400> 4

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
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Asp Asn His Arg Ser Phe His Asp Lys Tyr Gly Leu Ala
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<210> 5
<211> 29
<212> PRT
<213> Rattus rattus

<400> 5

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
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Asp Asn His Arg Ser Phe Ser Asp Lys His Gly Leu Thr
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<400> 6

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val
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Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser
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<211> 123
<212> PRT
<213> Homo sapiens

<400> 7

Met Ala Arg Gly Ser Ala Leu Leu Leu Ala Ser Leu Leu Leu Ala Ala
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Ala Leu Ser Ala Ser Ala Gly Leu Trp Ser Pro Ala Lys Glu Lys Arg
20 25 30

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val
35 40 45

Gly Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser Lys Arg
50 55 60

Glu Leu Arg Pro Glu Asp Asp Met Lys Pro Gly Ser Phe Asp Arg Ser
65 70 75 80

Ile Pro Glu Asn Asn Ile Met Arg Thr Ile Ile Glu Phe Leu Ser Phe
85 90 95

Leu His Leu Lys Glu Ala Gly Ala Leu Asp Arg Leu Leu Asp Leu Pro
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Ala Ala Ala Ser Ser Glu Asp Ile Glu Arg Ser
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<210> 8
<211> 123
<212> PRT
<213> Bos taurus

<400> 8

Met Pro Arg Gly Ser Val Leu Leu Leu Ala Ser Leu Leu Leu Ala Ala
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Ala Leu Ser Ala Thr Leu Gly Leu Gly Ser Pro Val Lys Glu Lys Arg
20 25 30

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Leu
35 40 45

Asp Ser His Arg Ser Phe Gln Asp Lys His Gly Leu Ala Gly Lys Arg
50 55 60

Glu Leu Glu Pro Glu Asp Glu Ala Arg Pro Gly Ser Phe Asp Arg Pro
65 70 75 80

Leu Ala Glu Asn Asn Val Val Arg Thr Ile Ile Glu Phe Leu Thr Phe
85 90 95

Leu His Leu Lys Asp Ala Gly Ala Leu Glu Arg Leu Pro Ser Leu Pro
100 105 110

Thr Ala Glu Ser Ala Glu Asp Ala Glu Arg Ser
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<210> 9
<211> 123
<212> PRT
<213> Sus scrofa

<400> 9

Met Pro Arg Gly Cys Ala Leu Leu Leu Ala Ser Leu Leu Ala Ser
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Ala Leu Ser Ala Thr Leu Gly Leu Gly Ser Pro Val Lys Glu Lys Arg
20 25 30

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
35 40 45

Asp Asn His Arg Ser Phe His Asp Lys Tyr Gly Leu Ala Gly Lys Arg
50 55 60

Glu Leu Glu Pro Glu Asp Glu Ala Arg Pro Gly Gly Phe Asp Arg Leu
65 70 75 80

Gln Ser Glu Asp Lys Ala Ile Arg Thr Ile Met Glu Phe Leu Ala Phe
85 90 95

Leu His Leu Lys Glu Ala Gly Ala Leu Gly Arg Leu Pro Gly Leu Pro
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Ser Ala Ala Ser Ser Glu Asp Ala Gly Gln Ser
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<210> 10
<211> 116
<212> PRT
<213> Homo sapiens

<400> 10

Met Ala Pro Pro Ser Val Pro Leu Val Leu Leu Val Leu Leu Leu
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Ser Leu Ala Glu Thr Pro Ala Ser Ala Pro Ala His Arg Gly Arg Gly

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25

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Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Val Leu His
35 40 45

Leu Pro Gln Met Gly Asp Gln Asp Gly Lys Arg Glu Thr Ala Leu Glu
50 55 60

Ile Leu Asp Leu Trp Lys Ala Ile Asp Gly Leu Pro Tyr Ser His Pro
65 70 75 80

Pro Gln Pro Ser Lys Arg Asn Val Met Glu Thr Phe Ala Lys Pro Glu
85 90 95

Ile Gly Asp Leu Gly Met Leu Ser Met Lys Ile Pro Lys Glu Glu Asp
100 105 110

Val Leu Lys Ser
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<210> 11
<211> 60
<212> PRT
<213> Homo sapiens

<400> 11

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Tyr Leu Leu Gly Pro Val Leu His Leu Pro Gln Met Gly Asp Gln Asp
20 25 30

Gly Lys Arg Glu Thr Ala Leu Glu Ile Leu Asp Leu Trp Lys Ala Ile
35 40 45

Asp Gly Leu Pro Tyr Ser His Pro Pro Gln Pro Ser
50 55 60

<210> 12
<211> 60
<212> PRT
<213> Sus scrofa

<400> 12

Ala Pro Val His Arg Gly Arg Gly Trp Thr Leu Asn Ser Ala Gly
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Tyr Leu Leu Gly Pro Val Leu His Pro Pro Ser Arg Ala Glu Gly Gly
 20 25 30

Gly Lys Gly Lys Thr Ala Leu Gly Ile Leu Asp Leu Trp Lys Ala Ile
 35 40 45

Asp Gly Leu Pro Tyr Pro Gln Ser Gln Leu Ala Ser
 50 55 60

<210> 13
 <211> 60
 <212> PRT
 <213> Rattus rattus

<400> 13

Ala Pro Ala His Arg Gly Arg Gly Gly Trp Thr Leu Asn Ser Ala Gly
 1 5 10 15

Tyr Leu Leu Gly Pro Val Leu His Leu Ser Ser Lys Ala Asn Gly Gly
 20 25 30

Arg Lys Thr Asp Ser Ala Leu Glu Ile Leu Asp Leu Trp Lys Ala Ile
 35 40 45

Asp Gly Leu Arg Tyr Ser Arg Ser Pro Arg Met Thr
 50 55 60

<210> 14
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 14
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 cccgccaccg caccggacc cccgcgtcc gaacccgggc gcagccgcag ctcaagatgg 180
 cccgaggcag cgccctcctt ctcgcctccc tcctcctcgc cccggccctt tctgcctctg 240
 cggggctctg gtcgcccggcc aaggaaaaac gaggctggac cctgaacagc gcgggctacc 300
 tgctgggccc acatgcgtt ggcaaccaca ggtcattcag cgacaagaat ggccctcacca 360
 gcaaggcggga gctgcggccc gaagatgaca tgaaaccagg aagctttgac aggtccatac 420
 ctgaaaacaa tatcatgcgc acaatcattt agtttctgtc tttcttgcat ctcaaagagg 480

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|-------------|------------|-------------|-------------|------------|------------|-----|
| ccgggtgcctt | cgaccgcctc | ctggatctcc | ccgcccgcagc | ctcctcagaa | gacatcgagc | 540 |
| ggtcctgaga | gcctcctggg | catgtttgtc | tgtgtgtgt | aacctgaagt | caaaccttaa | 600 |
| gataatggat | aatcttcggc | caatttatgc | agagtcagcc | attcctgttc | tctttgcctt | 660 |
| gatgttgtgt | tgttatcatt | taagattttt | tttttttgtt | aattattttg | agtggcaaaa | 720 |
| taaagaatag | caattaaaaa | aaaaaaaaaca | aaaaaaaaaaa | aaaaaa | | 765 |

<210> 15
<211> 675
<212> DNA
<213> Bos taurus

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| tcgacggacg | cgcgcccccg | ccgacacagg | acctgcagac | accccaaggac | ccgcagacat | | 120 |
| cccccgaccc | tccgggcccc | gctcaagatg | cccagaggct | ccgtcctgt | gctgcctcc | | 180 |
| ctgctcctcg | cagcgccctt | ttcagccacc | ctgggcctcg | ggtcacccgt | gaaggagaag | | 240 |
| agaggctgga | ccctgaacag | cgctgggtac | cttctcgac | cacatgcgt | cgacagccac | | 300 |
| aggcatttc | aagacaagca | tggcctcgcc | ggcaagcggg | aactcgagcc | tgaagacgaa | | 360 |
| gcccgccag | gaagcttga | cagaccactg | gcggagaaca | acgtcgtgac | cacgataatc | | 420 |
| gagtttctga | ctttcctgca | tctcaaagac | gccggcgccc | tggagcgcct | gcccaagtctc | | 480 |
| cccacagcag | agtccgcaga | agacgcccag | aggcctgag | cgggctcccg | cgcgctggtc | | 540 |
| tccctgtgtc | acgcgcagtc | gtgctcccg | gaggatgccc | atcgcatggc | aaccgccccca | | 600 |
| tccccgctgc | cctgatgctg | tgtccgtacc | attcaggtt | tttccccctt | ggtcataagt | | 660 |
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<210> 16
<211> 774
<212> DNA
<213> Sus scrofa

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| cggtagcgc | cctccagccc | tgcccgaccc | aaccggaccc | gcgtccccgc | cgacagccca | | 120 |
| ggacccgctg | gcacccgggg | acccctggc | atctcagacc | cgccgacccc | cggggccccgc | | 180 |
| cgacacccca | agacccacccg | acactccggg | acccggccgtc | gctcaagatg | cccagaggct | | 240 |
| gcgcctcct | gctggcctcc | ctactcctcg | cttcggccct | ttcagccacc | ctggggctcg | | 300 |
| ggtcacccgt | gaaggaaaag | agaggctgga | ctctgaacag | cgctggctac | cttcttgggc | | 360 |

| | |
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| cacatgccat cgacaaccac agatcattcc acgacaaga tggccttgct ggcaagcgaa | 420 |
| aactcgaacc cgaagacgaa gccaggccgg gaggcttga ccggctgcag tcagaggaca | 480 |
| aagccatacg cacgataatg gagtttctgg ctttcttgca tctcaaagag gcggggggccc | 540 |
| tggggcgcct gcccggcctc ccctcgccag catcctcaga agacgcggga cagtcctgag | 600 |
| gtggctccgg catttcgtc tcggcggtgt cgagctccga gacggtgacg gtctcacgcc | 660 |
| agcgaaggca gcgttaaccac ccctgtcgtc cctgcccagt gctgtgttgc tgtggtgtca | 720 |
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<210> 17
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<213> Artificial sequence
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<223> Artificial sequence

<400> 17
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<210> 18
<211> 20
<212> DNA
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<220>
<223> Artificial sequence

<400> 18
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<210> 19
<211> 20
<212> DNA
<213> Artificial sequence
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<220>
<223> Artificial sequence

<400> 19
cgcccttcatc tgcaaggttta

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<210> 20
<211> 18
<212> DNA
<213> Artificial sequence
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<220>
<223> Artificial sequence

<400> 20
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<210> 21
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<220>
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<400> 21
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<210> 22
<211> 20
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<220>
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<400> 22
gcgttaagtgg cacgcgtgag 20

<210> 23
<211> 23
<212> DNA
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<220>
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<400> 23
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<210> 24
<211> 22
<212> DNA
<213> Artificial sequence

<220>
<223> Artificial sequence

<400> 24
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<210> 25
<211> 23
<212> DNA
<213> Artificial sequence

<220>

<223> Artificial sequence

<400> 25

tgacatcaag aaggtggtga agc

23

<210> 26

<211> 24

<212> DNA

<213> Artificial sequence

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<223> Artificial sequence

<400> 26

aaggtggaag agtggagtt gctg

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<210> 27

<211> 20

<212> DNA

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<223> Artificial sequence

<400> 27

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<210> 28

<211> 21

<212> DNA

<213> Artificial sequence

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<223> Artificial sequence

<400> 28

gtagctgcag gtcagggttc c

21

<210> 29

<211> 22

<212> DNA

<213> Artificial sequence

<220>

<223> Artificial sequence

<400> 29

tgggccgtgg tgaggctggc ct

22